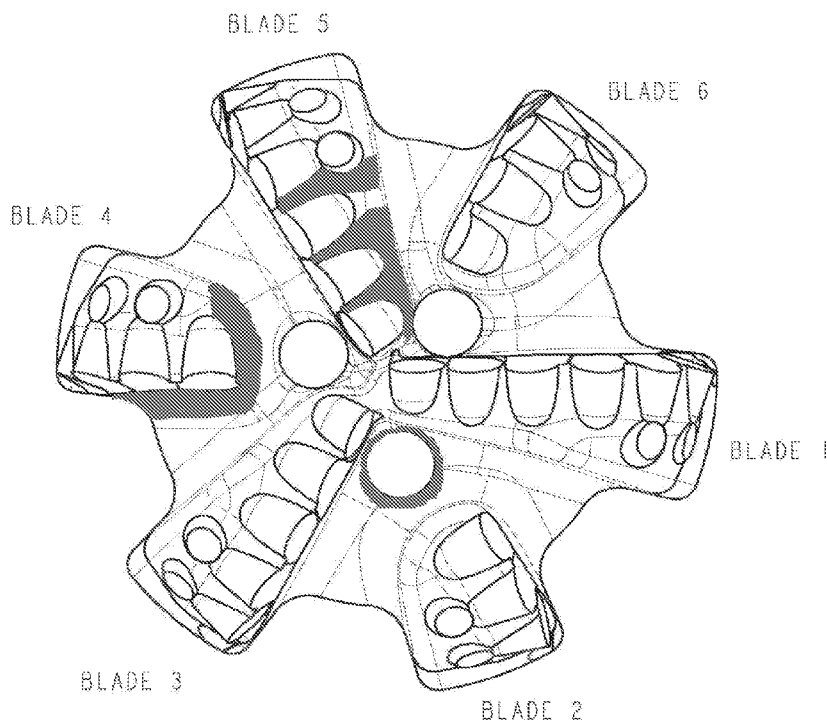




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[Continued on next page]

(54) Title: DISPERSION OF HARDPHASE PARTICLES IN AN INFILTRANT



(57) Abstract: Composite materials for use with a drill bit for drilling a bore-hole in earthen formations. The composite material comprises a first pre-infiltrated hardphase constituent and a second preinfiltrated hardphase constituent. The second pre-infiltrated hardphase constituent is a carbide which comprises at least 0.5 weight % of a binder and at least about 1% porosity. The composite material further comprises an infiltrant.



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